



Docket No.: 1539.1019

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Yasuhiro OMURA

Serial No.: 10/079,519

Group Art Unit: 2851

Confirmation No.: 6694

Filed: February 22, 2002

Examiner: Hung Nguyen

For: PROJECTION OPTICAL SYSTEM, PROJECTION EXPOSURE APPARATUS, AND  
PROJECTION EXPOSURE METHOD

**AMENDMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

This is in response to the Office Action mailed March 6, 2003, and having a period for response set to expire on June 6, 2003. The following amendments and remarks are respectfully submitted.

**IN THE ABSTRACT OF THE DISCLOSURE:**

Please **AMEND** the Abstract as follows:

A projection optical system transferring a mask image on a mask onto a substrate and correcting chromatic aberration. A projection exposure system includes at least two refractive optical members collectively containing at least a first fluoride substance and a second fluoride substance, and satisfying the design condition  $0.4 < \frac{MX_2}{MX_1} < 0.87$ , where  $MX_1$  is the effective aperture of the surfaces having the largest effective aperture from among the surfaces of the refractive optical members containing the first fluoride substance,  $MX_2$  is the effective aperture of the surfaces having the largest effective aperture from among the surfaces of the refractive optical members containing the second fluoride substance, and  $MX_1$  is greater than  $MX_2$ . A

06/09/2003 SMINASS1 00000020 10079519

01 FC:1202  
02 FC:1201

108.00 OP  
84.00 OP



41

2851

S&amp;H Form: (01/03)

<b>REPLY/AMENDMENT FEE TRANSMITTAL</b>	Attorney Docket No.	1539.1019
	Application Number	10/079,519
	Filing Date	February 22, 2002
	First Named Inventor	Yasuhiro OMURA
	Group Art Unit	2851
AMOUNT ENCLOSED	192.00	Examiner Name Hung Nguyen

**FEE CALCULATION (fees effective 01/01/03)**

CLAIMS AS AMENDED	Claims Remaining After Amendment	Highest Number Previously Paid For	Number Extra	Rate	Calculations
TOTAL CLAIMS	36	- 30 =	6	X \$ 18.00 =	\$ 108.00
INDEPENDENT CLAIMS	6	- 5 =	1	X \$ 84.00 =	84.00
Since an Official Action set an original due date of June 6, 2003, petition is hereby made for an extension to cover the date this reply is filed for which the requisite fee is enclosed (1 month (\$110); 2 months (\$410); 3 months (\$930); 4 months (\$1,450); 5 months (\$1,970)):					0.00
If Notice of Appeal is enclosed, add (\$320.00)					0.00
If Statutory Disclaimer under Rule 20(d) is enclosed, add fee (\$110.00)					0.00
Information Disclosure Statement (Rule 1.17(p)) (\$180.00)					
Total of above Calculations =					\$ 192.00
Reduction by 50% for filing by small entity (37 CFR 1.9, 1.27 & 1.28)					
<b>TOTAL FEES DUE =</b>					<b>\$ 192.00</b>

(1) If entry (1) is less than entry (2), entry (3) is "0".

(2) If entry (2) is less than 20, change entry (2) to "20".

(4) If entry (4) is less than entry (5), entry (6) is "0".

(5) If entry (5) is less than 3, change entry (5) to "3".

**METHOD OF PAYMENT**

- ☒ Check enclosed as payment.
- ☐ Charge "TOTAL FEES DUE" to the Deposit Account No. below.
- ☐ No payment is enclosed and no charges to the Deposit Account are authorized at this time (unless specifically required to obtain a filing date).

**GENERAL AUTHORIZATION**

- ☒ If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to:
- Deposit Account No. 19-3935
- Deposit Account Name STAAS & HALSEY LLP
- ☒ The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC § 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application.

SUBMITTED BY: STAAS &amp; HALSEY LLP

Typed Name	Christine Joan Gilsdorf	Reg. No.	43,635
Signature	<i>C. Joan Gilsdorf</i>	Date	June 6, 2003

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